

FILE ID**FORDATE

(2)	50	HISTORY	; Detailed Current Edit History
(3)	60	DECLARATIONS	
(4)	87	FOR\$DATE	- return system date as an 9 byte string

```
0000 1 .TITLE FOR$DATE ; return system date in 9-byte array
0000 2 .IDENT /1-002/ ; File: FORDATE.MAR
0000 3
0000 4
0000 5 ****
0000 6 *
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0000 24 *
0000 25 *
0000 26 ****
0000 27
0000 28
0000 29 : FACILITY: FORTRAN SUPPORT LIBRARY
0000 30 ++
0000 31 : ABSTRACT:
0000 32 :
0000 33 : Call system service $ASCTIM to return system date to user
0000 34 : area.
0000 35 :
0000 36 --
0000 37
0000 38 : VERSION: 0
0000 39
0000 40 : HISTORY:
0000 41 :
0000 42 : AUTHOR:
0000 43 : Jonathan M. Taylor, 18-Aug-77: Version 0
0000 44
0000 45 : MODIFIED BY:
0000 46 :
0000 47 :
0000 48 :
```

K 12
; return system date in 9-byte array HISTORY ; Detailed Current Edit History 15-SEP-1984 23:50:02 VAX/VMS Macro V04-00
[FORRTL.SRC]FORDATE.MAR;1 Page 2
0000 50 .SBTTL HISTORY ; Detailed Current Edit History
0000 51
0000 52
0000 53 ; Edit History for Version 0 of FOR\$DATE
0000 54 ;
0000 55
0000 56 ; 0-3 - Remove FOR\$FLAG_JACKET. TNH 11-July-78
0000 57 ; 1-001 - Update version number and copyright notice. JBS 16-NOV-78
0000 58 ; 1-002 - Add "_" to the PSECT directive. JBS 22-DEC-78

```
0000 60      .SBTTL DECLARATIONS
0000 61
0000 62      :
0000 63      : INCLUDE FILES:
0000 64      :     oerr.mar
0000 65
0000 66      :
0000 67      : EXTERNAL SYMBOLS:
0000 68      :     .GLOBL SY$ASCTIM
0000 69
0000 70      :
0000 71      : MACROS:
0000 72      :     NONE
0000 73
0000 74      :
0000 75      : PSECT DECLARATIONS:
00000000 76      .PSECT _FOR$CODE      PIC, SHR, LONG, EXE, NOWRT
0000 77
0000 78      :
0000 79      : EQUATED SYMBOLS:
0000 80      :     NONE
0000 81
0000 82      :
0000 83      : OWN STORAGE:
0000 84      :     NONE
0000 85
```

0000 87 .SBTTL FOR\$DATE - return system date as an 9 byte string
 0000 88
 0000 89 :++
 0000 90 : FUNCTIONAL DESCRIPTION:
 0000 91 : Returns system date as an 9 byte string in the form
 0000 92 : DD-MMM-YY. Build a work space on the stack to con-
 0000 93 : tain the date returned by the system (DD-MMM-YYYY).
 0000 94 : Do a SASCTIM to get date into this area. Move the string
 0000 95 : into the user area, artfully avoiding the first two YY's.
 0000 96
 0000 97 : CALLING SEQUENCE:
 0000 98 : CALL FOR\$DATE (9_byte_array.wb.ra)
 0000 99
 0000 100
 0000 101 : INPUT PARAMETERS:
 0000 102 : 9_byte_array the addr of 9 bytes into which the
 0000 103 : string is to be placed
 0000 104
 0000 105 : IMPLICIT INPUTS:
 0000 106 : NONE
 0000 107
 0000 108 : OUTPUT PARAMETERS:
 0000 109 : NONE
 0000 110
 0000 111 : IMPLICIT OUTPUTS:
 0000 112 : NONF
 0000 113
 0000 114 : COMPLETION CODES:
 0000 115 : NONE
 0000 116
 0000 117 : SIDE EFFECTS:
 0000 118 : NONE
 0000 119
 0000 120 :--
 0000 121
 0000 122
 0000 123 .ENTRY FOR\$DATE, ^M<R2,R3,R4,R5>
 5E 0C 003C 0000 124 SUBL #12, SP ; make space for date string
 52 5E C2 0002 125 MOVL SP, R2 ; R2 -> space
 7E 52 D0 0005 126 MOVL R2, -(SP) ; build a string descriptor
 50 5E D0 0008 127 MOVL #^X10E000B, -(SP) ; Len=11
 04 BC 62 07 28 0024 128 MOVL SP, R0 ; R0 -> string descriptor
 81 81 91 0029 129 SASCTIM_S ; R2 -> date string
 63 61 02 28 002C 130 MOVC3 #7, (R2), @4(AP) ; move in 'dd-mmm-'
 04 0030 131 CMPB (R1)+, (R1)+ ; skip '19'
 0031 132 MOVC3 #2, (R1), (R3) ; move in rest of year
 0031 133 RET ; return to user
 0031 134
 0031 135
 0031 136 .END

FORSDATE
Symbol table

; return system date in 9-byte array

N 12

15-SEP-1984 23:50:02 VAX/VMS Macro V04-00
6-SEP-1984 10:54:32 [FORRTL.SRC]FORDATE.MAR;1

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(4)

FORSDATE 00000000 RG 01
SYSSASCTIM ***** G 00

+-----+
! Psect synopsis !
+-----+

PSECT name	Allocation	PSECT No.	Attributes	CON	ABS	LCL	NOSHR	NOEXE	NORD	NOWRT	NOVEC	BYTE
.ABS	00000000 (0.)	00 (0.)	NOPIC USR	CON	ABS	LCL	NOSHR	NOEXE	NORD	NOWRT	NOVEC	BYTE
_FUR\$CODE	00000031 (49.)	01 (1.)	PIC USR	CON	REL	LCL	SHR	EXE	RD	NOWRT	NOVEC	LONG

+-----+
! Performance indicators !
+-----+

Phase	Page faults	CPU Time	Elapsed Time
Initialization	29	00:00:00.07	00:00:00.83
Command processing	102	00:00:00.43	00:00:03.08
Pass 1	96	00:00:00.53	00:00:03.14
Symbol table sort	0	00:00:00.00	00:00:00.00
Pass 2	39	00:00:00.31	00:00:01.34
Symbol table output	2	00:00:00.01	00:00:00.02
Psect synopsis output	2	00:00:00.03	00:00:00.27
Cross-reference output	0	00:00:00.00	00:00:00.00
Assembler run totals	272	00:00:01.41	00:00:08.70

The working set limit was 900 pages.

1785 bytes (4 pages) of virtual memory were used to buffer the intermediate code.

There were 10 pages of symbol table space allocated to hold 2 non-local and 0 local symbols.

136 source lines were read in Pass 1, producing 11 object records in Pass 2.

2 pages of virtual memory were used to define 2 macros.

+-----+
! Macro library statistics !
+-----+

Macro library name	Macros defined
\$_255\$DUA28:[SYSLIB]STARLET.MLB:2	2

15 GETS were required to define 2 macros.

There were no errors, warnings or information messages.

MACRO/ENABLE=SUPPRESSION/DISABLE=(GLOBAL,TRACEBACK)/LIS=LIS\$FORDATE/OBJ=OBJ\$FORDATE MSRC\$FORDATE/UPDATE=(ENH\$FORDATE)

0179 AH-BT13A-SE
VAX/VMS V4.0

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